

We Claim:

- 1 1. A method in a computing system for managing enterprise data, the
2 method comprising:
3 extracting enterprise information in a first form that is associated with a
4 first source computerized system;
5 converting the enterprise information in the first form into corresponding
6 information that is in a second intermediate form; and
7 converting the enterprise information in the second intermediate form
8 into a target form that corresponds to a target computerized
9 system, wherein the second intermediate form includes a plurality
10 of custom data type elements that are adapted for capturing
11 customer information and that can be referenced by other data
12 structures in the second intermediate form.
- 1 2. The method of Claim 1, further comprising:
2 extracting enterprise information in a third form that is associated with a
3 second source computerized system that is distinct from the first
4 source computerized system;
5 converting the enterprise information in the third form into enterprise
6 information that is in the second intermediate form; and
7 converting the enterprise information in the second intermediate form
8 into the target form.
- 1 3. The method of Claim 1, wherein the customer information includes
2 information that defines specific aspects of the customer's business.

1 4. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 an address custom data type element;
4 an auto deal custom data type element;
5 an auto policy custom data type element;
6 an auto sales history custom data type element;
7 an auto service history custom data type element;
8 an auto service job custom data type element;
9 an auto service repair order custom data type element;
10 a balance statement custom data type element;
11 a billing profile custom data type element;
12 a bill of material component custom data type element;
13 a bill of material custom data type element;
14 a business unit custom data type element.

1 5. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 a claim custom data type element;
4 a claim payment custom data type element;
5 a class attribute custom data type element;
6 a class attribute value custom data type element;
7 a class custom data custom data type element;
8 a contact-of custom data type element;
9 a contract custom data type element;
10 a cost list custom data type element; and

11 a cost list line custom data type element.

1 6. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 a credit bureau report custom data type element;
4 a customer-of custom data type element;
5 an employee-of custom data type element;
6 an expense custom data type element;
7 an expense line custom data type element;
8 a financial account custom data type element;
9 a financial applicant custom data type element;
10 a financial application account custom data type element;
11 a financial application collateral custom data type element;
12 a financial application custom data type element;
13 a financial application funding source custom data type element; and
14 a financial statement custom data type element.

1 7. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 a forecast custom data type element;
4 a forecast line detail custom data type element;
5 a product catalog custom data type element;
6 a product catalog line item custom data type element;
7 a product custom data type element;
8 a product inventory location custom data type element;
9 a product line custom data type element;

10 a product price custom data type element;
11 an installed product custom data type element;
12 a price list custom data type element; and
13 a price list line custom data type element.

1 8. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 a purchase order custom data type element;
4 a purchase order line item custom data type element;
5 a vehicle anti theft device custom data type element;
6 a vehicle custom data type element;
7 a vehicle option custom data type element;
8 a person custom data type element;
9 a policy custom data type element;
10 a position custom data type element;
11 a related-to custom data type element;
12 a represented-by custom data type element;
13 a security custom data type element;
14 a service request custom data type element; and
15 a set of books custom data type element.

1 9. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 an order custom data type element;
4 an order line custom data type element;
5 an order type custom data type element;

6 an organization custom data type element;
7 a party authentication custom data type element;
8 a party custom data type element;
9 a payment custom data type element;
10 a payment line custom data type element;
11 a payment method custom data type element;
12 a payment term custom data type element; and
13 a payment type custom data type element.

1 10. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 an opportunity custom data type element;
4 an opportunity notes custom data type element;
5 an opportunity revenue item custom data type element;
6 an invoice custom data type element;
7 an invoice line custom data type element;
8 an invoice plan custom data type element;
9 an invoice type custom data type element;
10 a life policy custom data type element; and
11 a list of relationship custom data type element.

1 11. The method of Claim 1, wherein the custom data type elements include
2 one or more elements comprising:
3 an inventory balance custom data type element;
4 an inventory balance list of balance balance custom data type element;
5 an inventory transaction custom data type element;

6 an inventory location custom data type element;
7 a functional area custom data type element;
8 a holding custom data type element; and
9 a household custom data type element.

1 12. A computer-readable medium carrying one or more sequences of
2 instructions for managing enterprise data, wherein execution of the one
3 or more sequences of instructions by one or more processors causes the
4 one or more processors to perform:
5 extracting enterprise information in a first form that is associated with a
6 first source computerized system;
7 converting the enterprise information in the first form into corresponding
8 information that is in a second intermediate form; and
9 converting the enterprise information in the second intermediate form
10 into a target form that corresponds to a target computerized
11 system, wherein the second intermediate form includes a plurality
12 of custom data type elements that are adapted for capturing
13 customer information and that can be referenced by other data
14 structures in the second intermediate form.

1 13. A data schema for managing enterprise data, the data schema including
2 custom data type elements comprising:
3 an address custom data type element;
4 an auto deal custom data type element;
5 an auto policy custom data type element;
6 an auto sales history custom data type element;

7 an auto service history custom data type element;
8 an auto service job custom data type element;
9 an auto service repair order custom data type element;
10 a balance statement custom data type element;
11 a billing profile custom data type element;
12 a bill of material component custom data type element;
13 a bill of material custom data type element;
14 a business unit custom data type element

1 14. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:
3 a claim custom data type element;
4 a claim payment custom data type element;
5 a class attribute custom data type element;
6 a class attribute value custom data type element;
7 a class custom data custom data type element;
8 a contact-of custom data type element;
9 a contract custom data type element;
10 a cost list custom data type element; and
11 a cost list line custom data type element.

1 15. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:
3 a credit bureau report custom data type element;
4 a customer-of custom data type element;
5 an employee-of custom data type element;

6 an expense custom data type element;
7 an expense line custom data type element;
8 a financial account custom data type element;
9 a financial applicant custom data type element;
10 a financial application account custom data type element;
11 a financial application collateral custom data type element;
12 a financial application custom data type element;
13 a financial application funding source custom data type element; and
14 a financial statement custom data type element.

1 16. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:

3 a forecast custom data type element;
4 a forecast line detail custom data type element;
5 a product catalog custom data type element;
6 a product catalog line item custom data type element;
7 a product custom data type element;
8 a product inventory location custom data type element;
9 a product line custom data type element;
10 a product price custom data type element;
11 an installed product custom data type element;
12 a price list custom data type element; and
13 a price list line custom data type element.

1 17. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:

3 a purchase order custom data type element;
4 a purchase order line item custom data type element;
5 a vehicle anti theft device custom data type element;
6 a vehicle custom data type element;
7 a vehicle option custom data type element;
8 a person custom data type element;
9 a policy custom data type element;
10 a position custom data type element;
11 a related-to custom data type element;
12 a represented-by custom data type element;
13 a security custom data type element;
14 a service request custom data type element; and
15 a set of books custom data type element.

1 18. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:
3 an order custom data type element;
4 an order line custom data type element;
5 an order type custom data type element;
6 an organization custom data type element;
7 a party authentication custom data type element;
8 a party custom data type element;
9 a payment custom data type element;
10 a payment line custom data type element;
11 a payment method custom data type element;

12 a payment term custom data type element; and
13 a payment type custom data type element.

1 19. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:
3 an opportunity custom data type element;
4 an opportunity notes custom data type element;
5 an opportunity revenue item custom data type element;
6 an invoice custom data type element;
7 an invoice line custom data type element;
8 an invoice plan custom data type element;
9 an invoice type custom data type element;
10 a life policy custom data type element; and
11 a list of relationship custom data type element.

1 20. The data schema of Claim 13, wherein the custom data type elements
2 further comprises:
3 an inventory balance custom data type element;
4 an inventory balance list of balance balance custom data type element;
5 an inventory transaction custom data type element;
6 an inventory location custom data type element;
7 a functional area custom data type element;
8 a holding custom data type element; and
9 a household custom data type element.